

MBL-H-491/1~2mW



LD PUMPED ALL-SOLID-STATE BLUE LASER

All solid state 491nm blue laser is made features of ultra compact, long lifetime, cost-effectiveness and easy operating, which is used in fluorescence sensors, Raman spectrum, laser printing, holography, laser display, submarine communication, biomedicine, laser lighting show, etc.



SPECIFICATIONS

Central wavelength (nm)	491 ± 1
Operating mode	CW
Output power (mW)	>1, 2
Power stability (rms, over 4 hours)	<10%
Transverse mode	Near TEM ₀₀
Noise of amplitude (rms, 1~20MHz)	~30%
M ² factor	<1.2
Beam diameter at the aperture 1/e ² (mm)	~3.0
Beam divergence, full angle (mrad)	<1.5
Polarization ratio	>100:1 (0 or 90 degree)
Warm-up time (minutes)	<10
Beam height from base plate (mm)	29
Pointing stability after warm-up (mrad)	<0.05
Operating temperature (°C)	10~35
Power supply (90-264VAC)	PSU-H-LED/PSU-H-FDA
Expected lifetime (hours)	10000
Warranty period	1 year



MxL-H-491	PSU-H-LED	PSU-H-FDA
<p>154.5(L)×77(W)×60(H) mm³, 0.9 kg</p>	<p>277 (L) ×145(W) ×106 (H) mm³, 2.6 kg</p>	<p>275(L) ×145(W) ×104(H) mm³, 2.3 kg</p>